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Generating and Using a Calibration Graph

Laboratory Details

When you're actually in the lab, then you can do these calculations yourselves on real samples. Many times though, you can decide for yourself what the volumes you need are. 1mL, 10mL, 20mL, 100mL Just remember, you have to be able to measure the volumes needed accurately. To do that, you will use your burets.



This is what a **CLOSED** buret looks like. When filling the buret, make sure that it is closed so that what you pour in, doesn't pour right out!

When you are making your dilutions, you will need two (2) burets, one for your initial stock solution, and one for your solvent (whatever you used to make your stock solution, e.g. water, acid, ammonia)

- You will fill your two burets to above the fill line, then open the buret to adjust the volume to the filled mark.
- You will then measure out the desired amount of your solution, and then the desired amount of your solvent.
- Mix it, and then you have your diluted solution.

The video below shows exactly what you will do in lab.

[http://www.youtube.com/watch?v=1Wx32WiXfrg&feature=player_embedded]

Now try to answer these questions about the video. You may need to watch it again.